

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-13. (Canceled)

14. (Currently Amended) A method for treating cancer in a patient in need thereof, the method comprising:

administering to a patient ~~in need thereof~~ a therapeutically effective amount of ~~the~~ composition of ~~claim 1~~ comprising a pharmaceutically acceptable carrier and an active ingredient comprising at least one plant essential oil compound selected from the group consisting of aldehyde C16 (pure), amyl cinnamic aldehyde, amyl salicylate, anisic aldehyde, benzyl alcohol, benzyl acetate, cinnamaldehyde, cinnamic alcohol,  $\alpha$ -terpineol, carvacrol, carveol, citral, citronellal, citronellol, p-cymene, diethyl phthalate, dimethyl salicylate, dipropylene glycol, eucalyptol (cineole), eugenol, iso-eugenol, galaxolide, geraniol, guaiacol, ionone, d-limonene, menthol, methyl anthranilate, methyl ionone, methyl salicylate,  $\alpha$ -phellandrene, pennyroyal oil, perillaldehyde, 1- or 2-phenyl ethyl alcohol, 1- or 2-phenyl ethyl propionate, piperonal, piperonyl acetate, piperonyl alcohol, D-pulegone, terpinen-4-ol, terpinyl acetate, 4-tert butylcyclohexyl acetate, thyme oil, thymol, metabolites of trans-anethole, vanillin, and ethyl vanillin.

15. (New) The method of claim 14, wherein the cancer is breast cancer.

16. (New) The method of claim 14, wherein the plant essential oil compound is eugenol.

17. (New) The method of claim 14, wherein the plant essential oil compound is thymol.

18. (New) The method of claim 14, wherein the plant essential oil compound is isoeugenol.

19. (New) The method of claim 14, wherein the plant essential oil compound is benzyl alcohol.

20. (New) The method of claim 14, wherein the plant essential oil compound is carvacrol.

21. (New) The method of claim 14, wherein the plant essential oil compound is cinnamic alcohol.

22. (New) The method of claim 14, wherein the plant essential oil compound is cinnamic aldehyde.

23. (New) The method of claim 14, wherein the plant essential oil compound is citronellal.

24. (New) The method of claim 14, wherein the plant essential oil compound is trans-anethole.

25. (New) A method for inhibiting the growth of breast cancer cells, the method comprising a step of applying a therapeutically effective amount of a plant essential oil compound to the breast cancer cells population for a sufficient time to observe inhibition of growth in said breast cancer cells.

26. (New) The method of claim 25, wherein the breast cancer cells are MCF-7 cells.

27. (New) The method of claim 25, wherein the plant essential oil compound is selected from the group consisting of aldehyde C16 (pure), amyl cinnamic aldehyde, amyl salicylate, anisic aldehyde, benzyl alcohol, benzyl acetate, cinnamaldehyde, cinnamic alcohol,  $\alpha$ -terpineol, carvacrol, carveol, citral, citronellal, citronellol, p-cymene, diethyl phthalate, dimethyl

salicylate, dipropylene glycol, eucalyptol (cineole), eugenol, iso-eugenol, galaxolide, geraniol, guaiacol, ionone, d-limonene, menthol, methyl anthranilate, methyl ionone, methyl salicylate,  $\alpha$ -phellandrene, pennyroyal oil, perillaldehyde, 1- or 2-phenyl ethyl alcohol, 1- or 2-phenyl ethyl propionate, piperonal, piperonyl acetate, piperonyl alcohol, D-pulegone, terpinen-4-ol, terpinyl acetate, 4-tert butylcyclohexyl acetate, thyme oil, thymol, metabolites of trans-anethole, vanillin, and ethyl vanillin.

28. (New) The method of claim 25, wherein the plant essential oil compound is eugenol.

29. (New) The method of claim 25, wherein the plant essential oil compound is thymol.

30. (New) The method of claim 25, wherein the plant essential oil compound is isoeugenol.

31. (New) The method of claim 25, wherein the plant essential oil compound is benzyl alcohol.

32. (New) The method of claim 25, wherein the plant essential oil compound is carvacrol.

33. (New) The method of claim 25, wherein the plant essential oil compound is cinnamic alcohol.

34. (New) The method of claim 25, wherein the plant essential oil compound is cinnamic aldehyde.

35. (New) The method of claim 25, wherein the plant essential oil compound is citronellal.

36. (New) The method of claim 25, wherein the plant essential oil compound is trans-anethole.